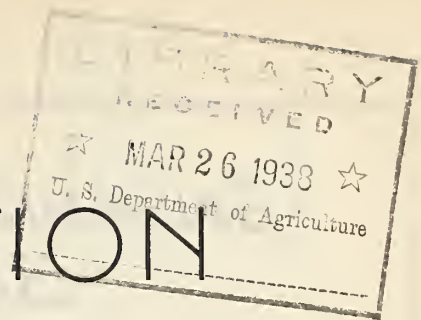


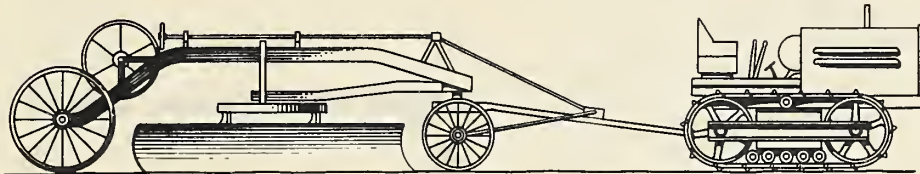
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Do not assume content reflects current scientific knowledge, policies, or practices.

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176ch



CONSTRUCTION



HINTS

UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE
WASHINGTON, D. C.

Vol. 4

March 12, 1938.

No. 5

GALVANIZED IRON TOP AND

A SELF SPILLING SAND BARREL

(Designed by Mr. Delmar L. Ray, blacksmith, at Camp S-51, Deer Park, Maryland)

A handy top for sand barrels may be easily made from 20-gauge galvanized iron, as is shown on the accompanying drawing.

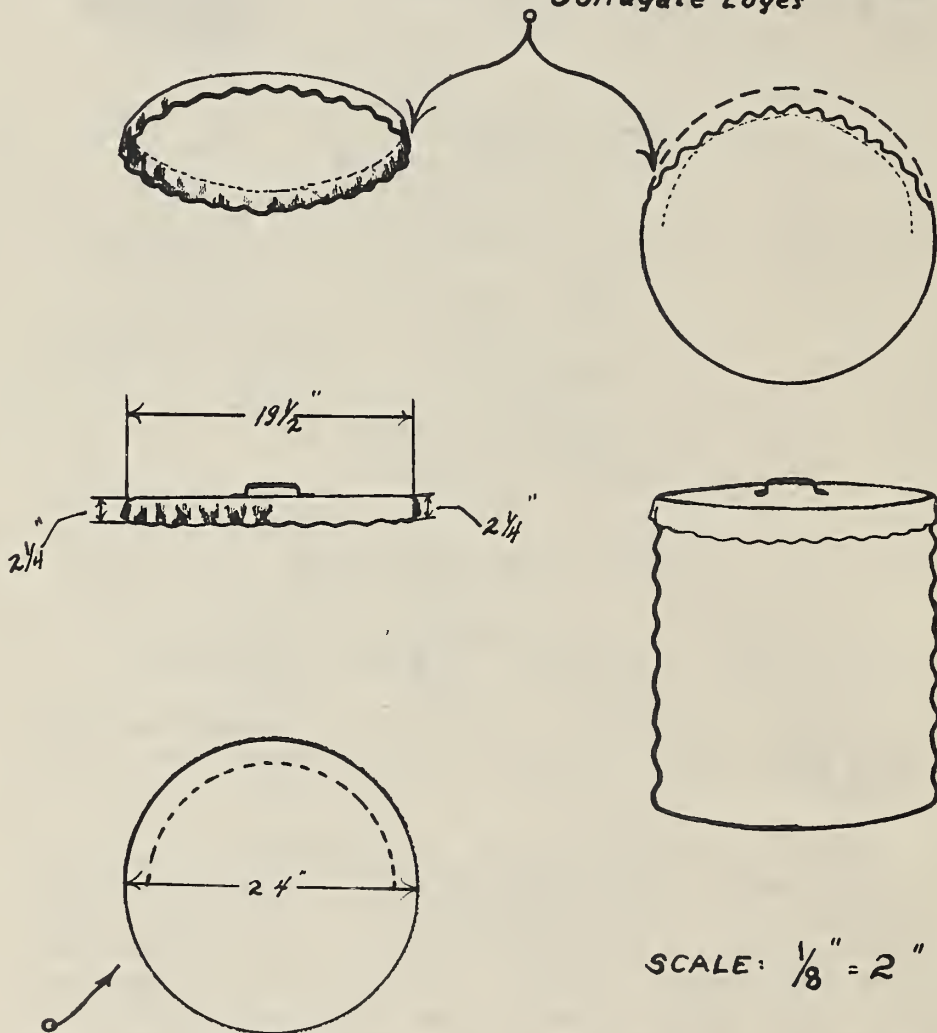
A disc five and one-half inches greater in diameter than the barrel to be covered, is cut out of a piece of galvanized metal. The exact diameter of the barrel is then laid off and the excess metal is bent down on all sides with a cross-pein hammer. A handle is then riveted on the top and you have a covering for your barrel which may be easily removed but which will not blow away, fall in, or allow any accumulation of moisture or dirt.

The self-spilling sand barrel, which was designed by W. Vaughn of Camp F-17, Manistee National Forest, is offered as an added safety feature for the camp garage. It can be tipped very easily, and tends to remain in the overturned position.

(over)

GALVANIZED IRON TOPS FOR SAND BARRELS

*Cross Pein Hammer Used to
Corrugate Edges*



*Galvanized Iron Disc Before
Corrugation*

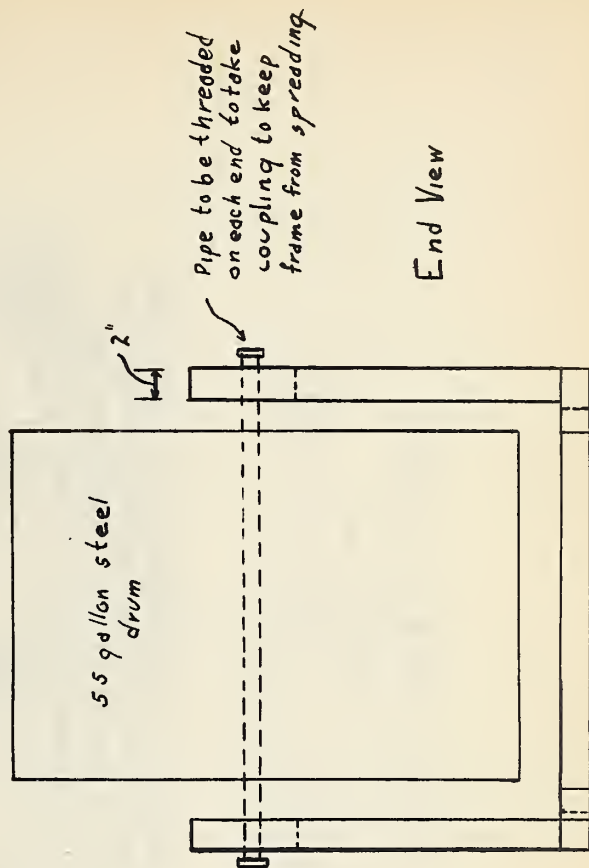
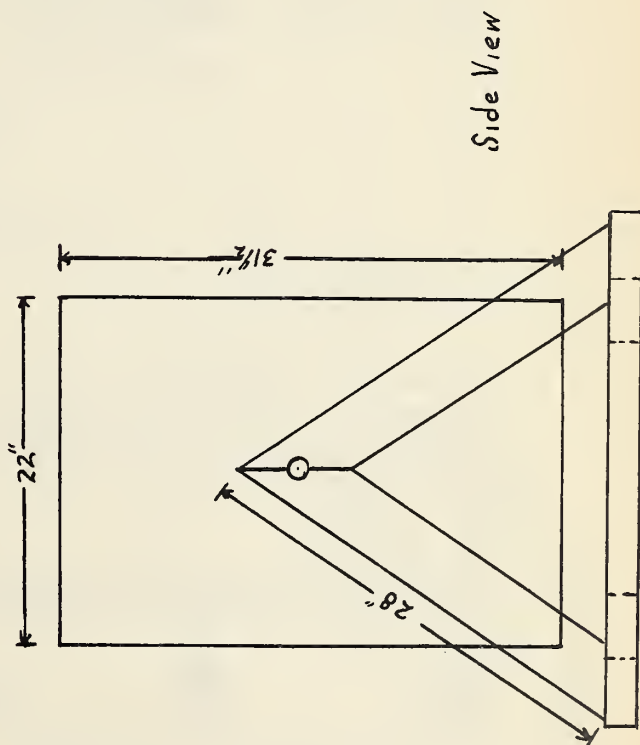
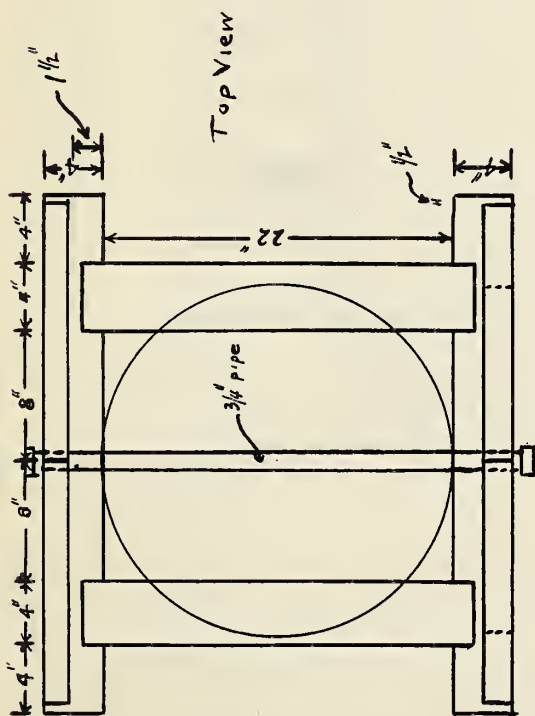
SCALE: $\frac{1}{8}" = 2"$

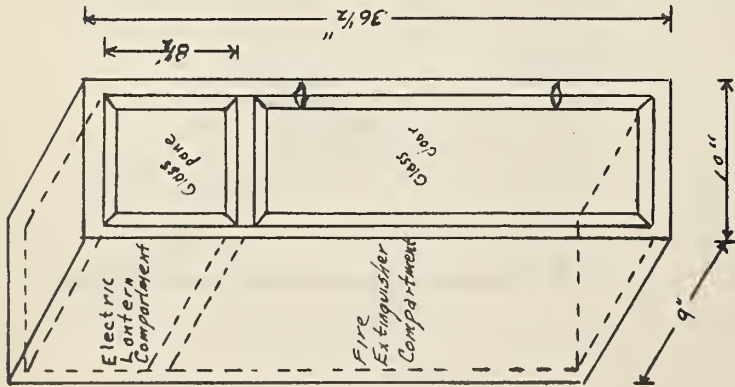
CAMP S-51 - MARYLAND
U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE REGION-7

Designed by D.L.R. Drawn by J.W.

Self-Spilling Sand Barrel for Shops & Garages.

Designed By W. Vaughn F-17 Sketched By C.F. Hardin
Scale 1" = 1 Foot February 12, 1938

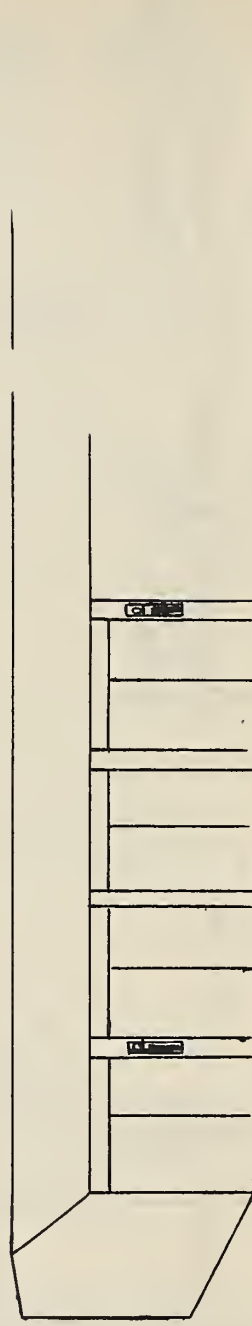




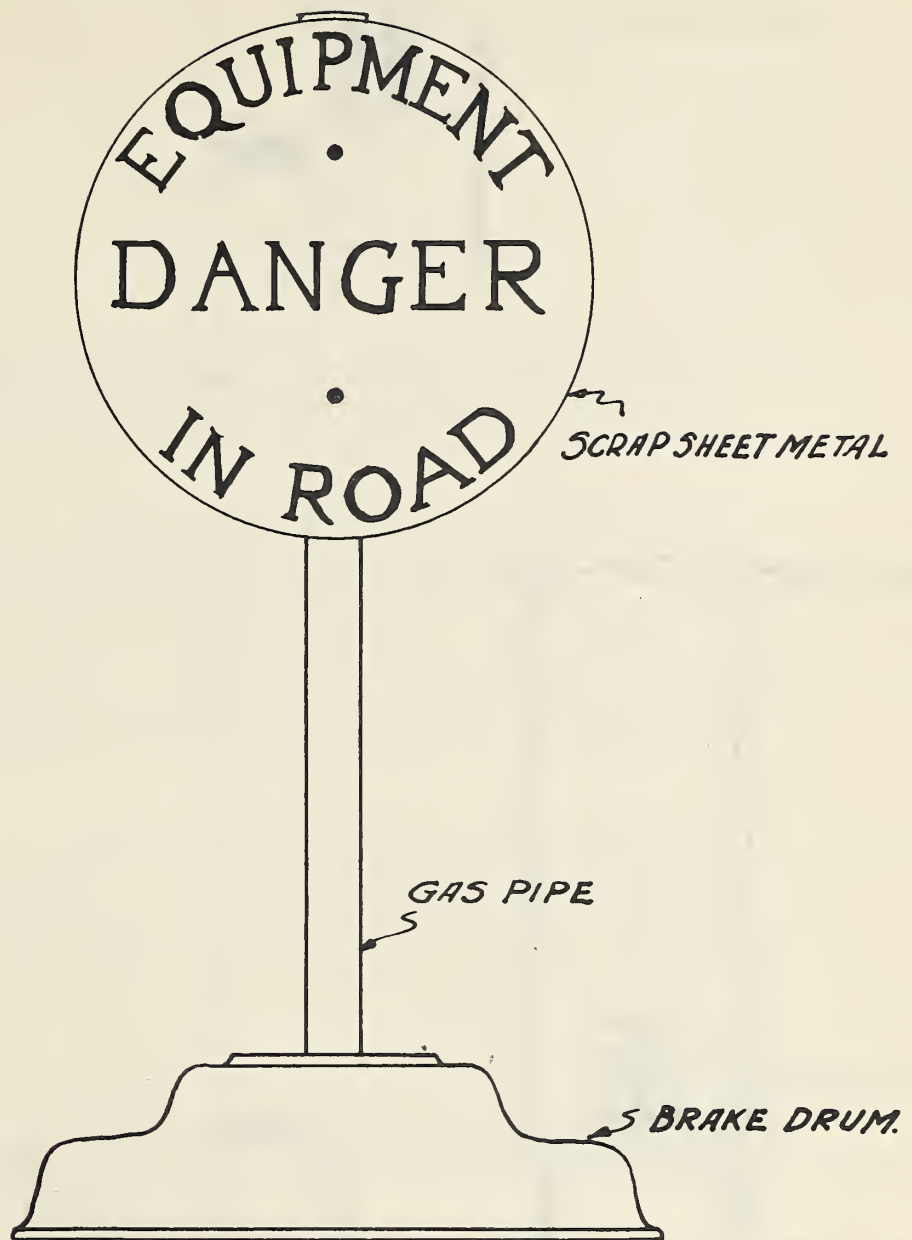
-4-

Electric Lantern & Fire Extinguisher
Compartment for C.C.C. Garages
Designed By W. Vaughn F-17 February 12, 1938
Sketched By C.F. Hardin F-17 " " "

The compartment for fire extinguisher and 2-cell electric lantern is an added safety feature for camp garages by making fire extinguishers and lights readily accessible with a new note in neatness. As illustrated the compartment is built into the frame of the garage in the pillars between doors.

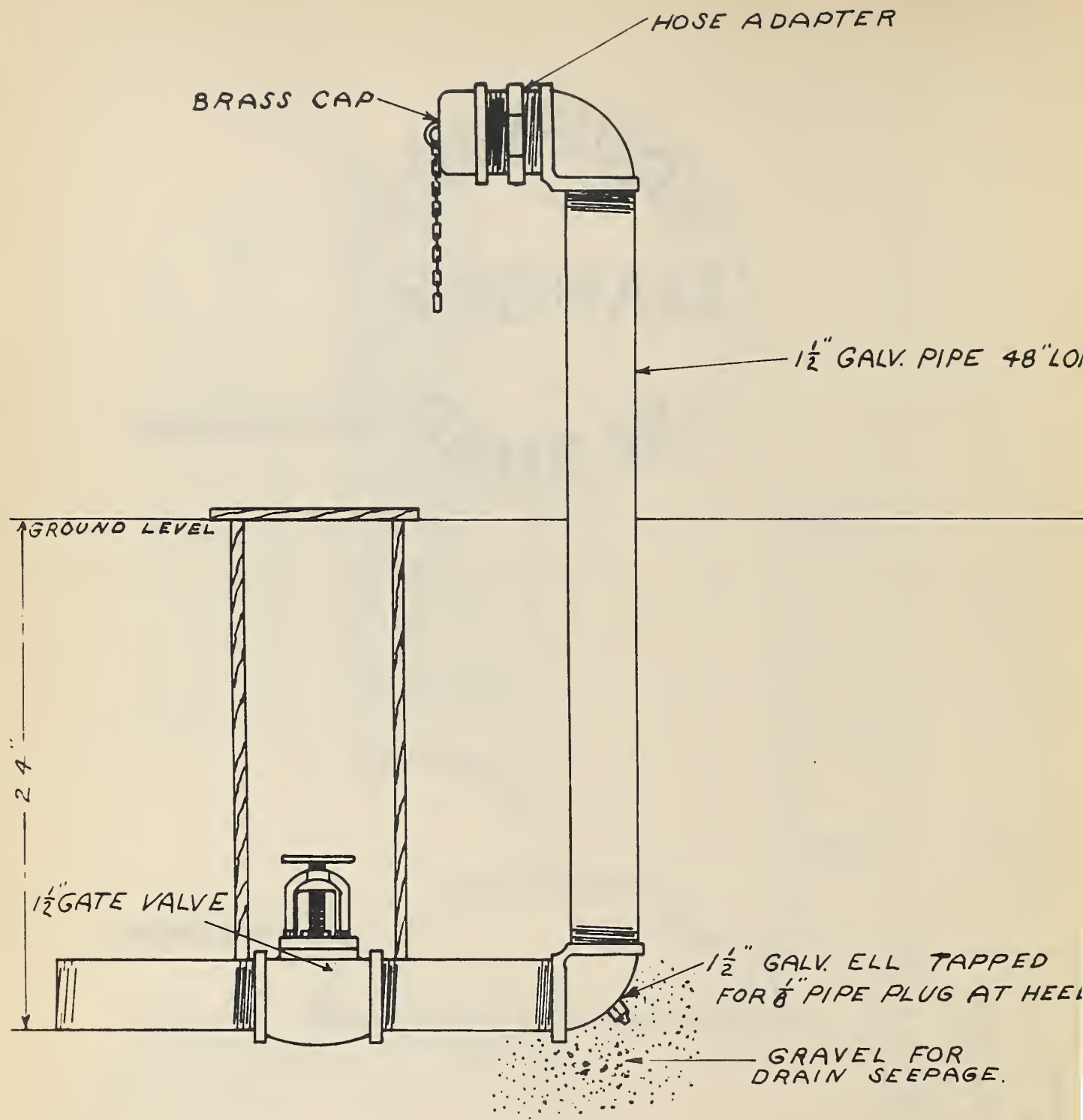


Compartment built into frame of
garage between doors for easy access



U. S. FOREST SERVICE REGION 6
MECHANICAL IMPROVEMENTS & REPAIRS
WARNING SIGNS

SUBMITTED BY **GRANT NEELY**
FOREST **ROGUE RIVER** DATE **8-9-37.**
PORTLAND, ORE. SKETCH **030**



U. S. FOREST SERVICE, REGION
 MECHANICAL IMPROVEMENTS & REPAIR
ALL WEATHER FIRE HYDRANT
INSTALLATION
 SUBMITTED BY FOREMAN FLEURY
 FOREST COLUMBIA DATE 5-26-
 PORTLAND ORE. SKETCH 026

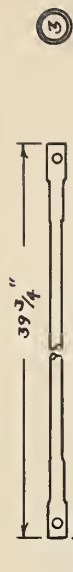
IMPROVED HAND HOIST CONTROL
FOR
THE LETOURNEAU ANGLEDZER

The conventional type hoist control has been unsatisfactory. A new hand hoist control has been improvised and used on all Caterpillar tractors equipped with LeTourneau angledozers.

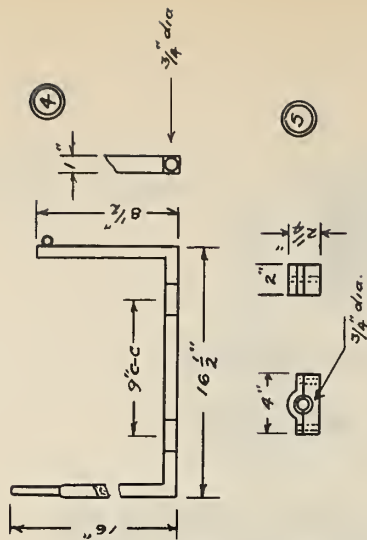
The disadvantages found with the conventional type were: (1) the operator had to sit on the left hand side of the machine in such a position that he could not see the right end of the blade for close grading, (2) the awkward position the operator had to assume with the conventional type hoist was very tiresome and in time cramped his arm to such an extent that frequent rest stops had to be made.

The advantages of the improved hand hoist control are: (1) the operator sits in a natural position, (2) he can see both ends of the blade, (3) he can work longer without resting, (4) he has better control of the blade, and (5) the machine requires fewer clutch adjustments.

The improved hand hoist control was designed and constructed by Mr. Corwin DeBerry, machine operator at CCC Camp S-59, Oakland, Maryland. The side control was built from scrap parts and has been used for 16 months without mechanical failure of the new parts.

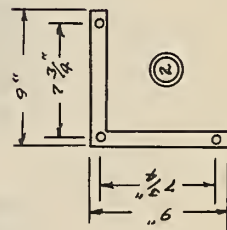
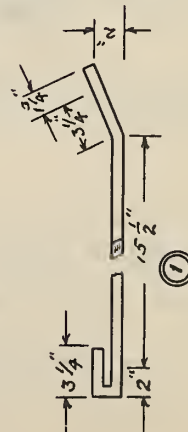
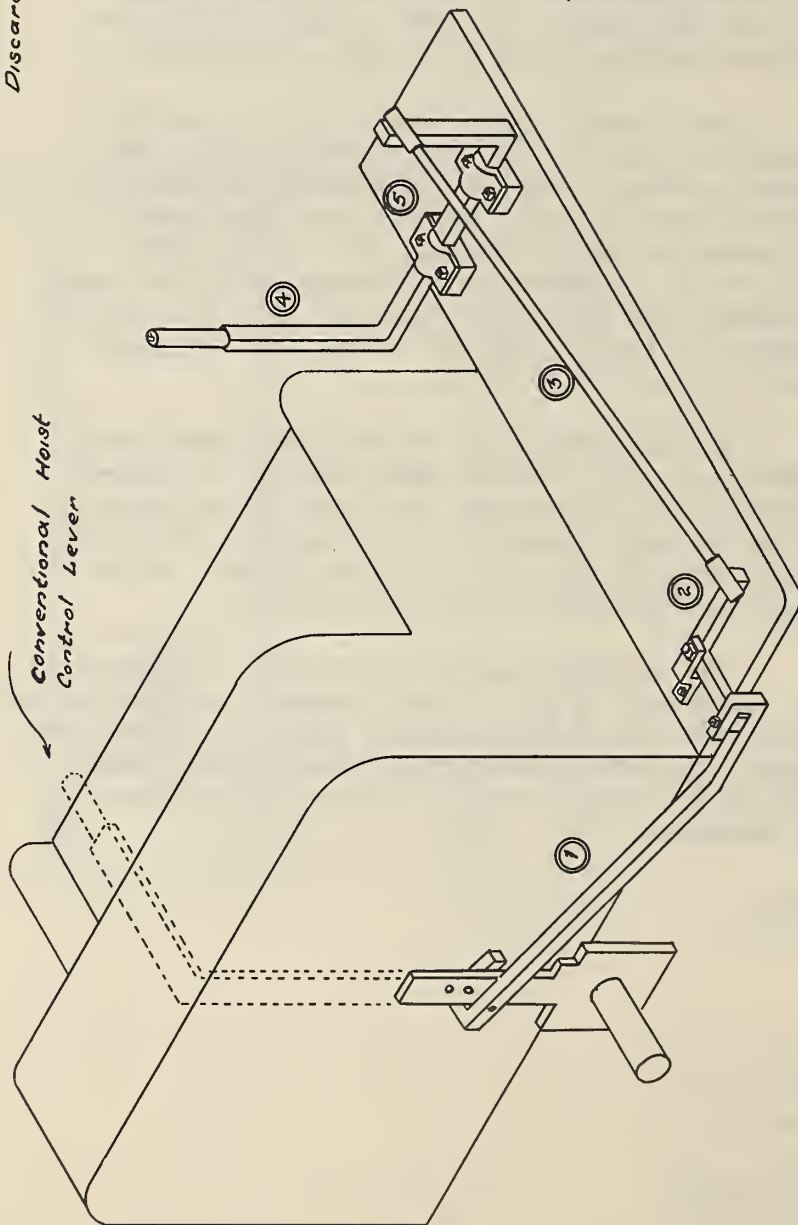


Discarded Tie Rod from 1933 Chev. Truck



Note~ Given dimensions would change for different type machines

Conventional Hoist Control Lever



HERRINGTON CREEK LAKE
SWALLOW FALLS STATE FOREST
SWALLOW FALLS MARYLAND
IMPROVED HAND HOIST CONTROL ON R-D-7
EQUIPED WITH LE-TOURNEAU ANGLE DOZER
DRAWN By *W.H. Bitts* Jan. 25, 1938
DESIGNED BY CORWIN DE-BERRY